

## **PROGRAM OUTCOMES (PO's)**

At the time of graduation, the students of Automobile Engineering should have the

**PO1: ENGINEERING KNOWLEDGE:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization in the solution of complex engineering problems.

**PO2: PROBLEM ANALYSIS:** Identify, formulate, review research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and Engineering sciences.

**PO3: DESIGN /DEVELOPMENT:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety and the cultural, societal and environmental considerations.

**PO4: CONDUCT INVESTIGATIONS OF COMPLEX PROBLEMS:** Use research based knowledge and research including design of experiments, analysis and interpretation of data and synthesis of the information to provide valid conclusions.

**PO5: MODERN TOOL USAGE:** Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modelling to complex engineering activities with an understanding of the limitations.

**PO6: THE ENGINEER AND SOCIETY:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practices.

**PO7: ENVIRONMENT & SUSTAINABILITY:** Understand the impact of the professional engineering solutions in societal and environmental contexts and demonstrate the knowledge of need for sustainable development.

PO8: ETHICS: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practices.

PO9: INDIVIDUAL AND TEAM WORK: Function effectively as an individual and as a member or leader in diverse teams and in multidisciplinary settings.

PO10: COMMUNICATION: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations, give and receive clear instructions.

PO11: PROJECT MANAGEMENT AND FINANCE: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12: LIFE LONG LEARNING: Recognize the need for the presentation and ability to engage in independent and lifelong learning in the broadest context of technological change.

### **PROGRAM SPECIFIC OUTCOMES (PSO's)**

**PSO 1:** An ability to apply the acquired knowledge about automotive engineering for the development of society

**PSO 2:** An ability to understand, design, apply and solve the engineering problems in Automobile sectors

## **PROGRAM EDUCATIONAL OBJECTIVES (PEO's)**

PEO1: Graduate will possess technical skills to diagnose and apply the concept of automotive system.

PEO2: Graduates able to design, fabricate and innovate in automobile sector to face the industrial challenges.

PEO3: Graduate able to play the key role in automotive industry with good communication, ethics and entrepreneurship skills.